FIG. 1

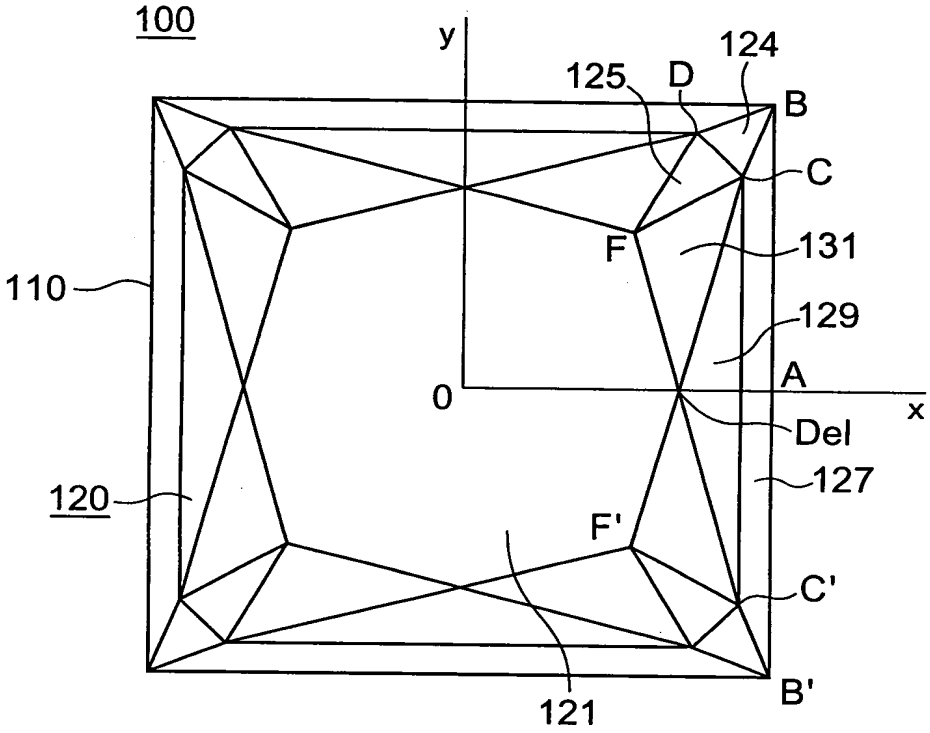

100
y
124
125
D
B
C
F
131
110
129
A
0
x
Del
127
120
F'
C'
B'
121

FIG. 2

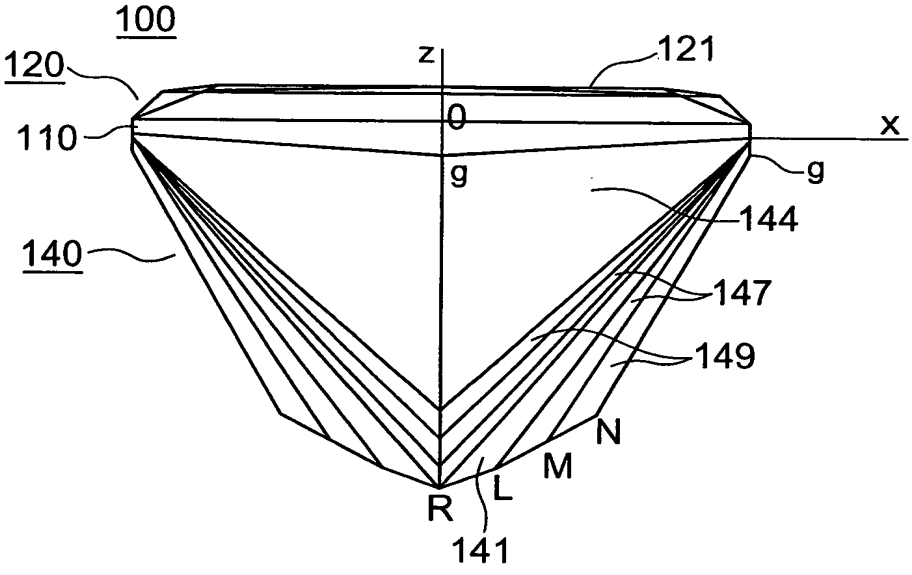

100
z
121
120
0
x
110
g
g
144
140
147
149
N
M
L
R
141

FIG. 3

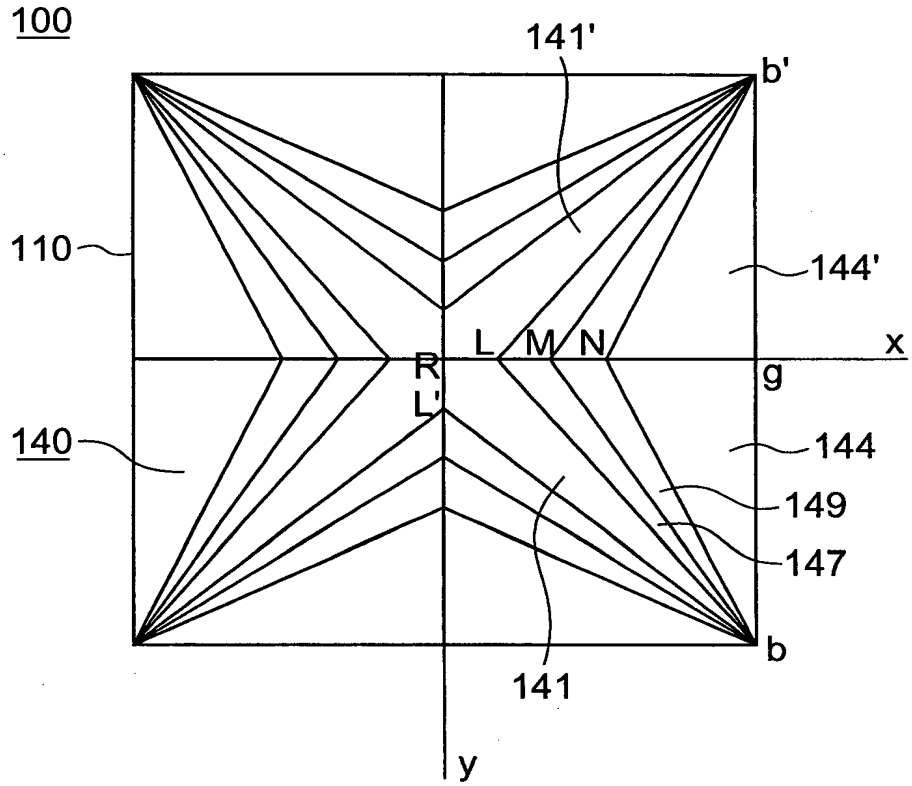


FIG. 4

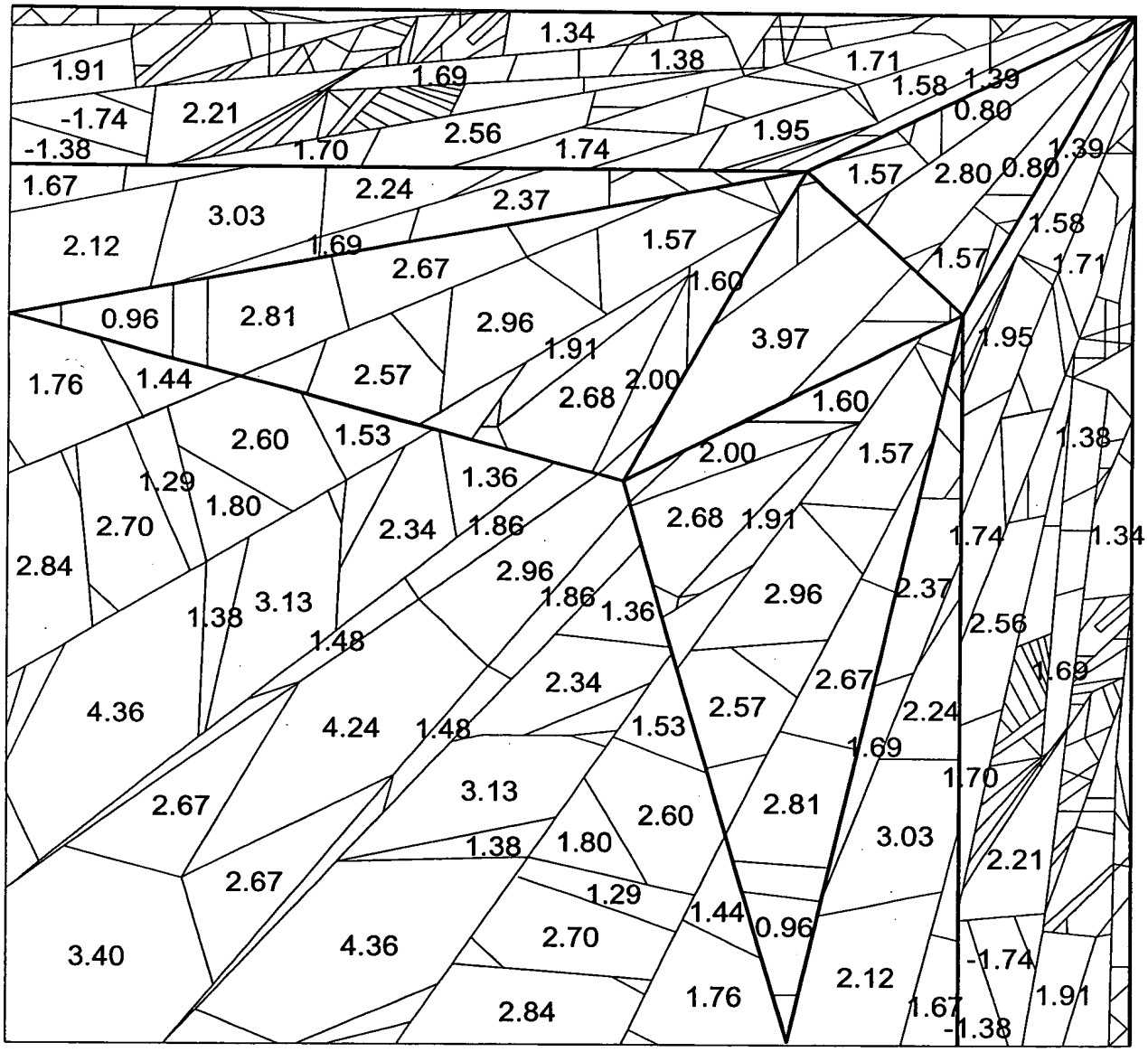

1.34
1.91
1.69
1.38
1.71
1.58
1.39
-1.74
2.21
0.80
2.56
1.95
-1.38
1.70
1.74
1.39
1.67
1.57
2.80
0.80
2.24
2.37
3.03
1.58
2.12
1.69
1.57
2.67
1.57
1.71
1.60
0.96
2.81
2.96
3.97
1.91
1.95
1.76
1.44
2.57
2.00
2.68
1.60
2.60
1.53
2.00
1.57
1.38
1.29
1.36
1.80
2.70
2.34
1.86
2.68
1.91
1.74
1.34
2.84
2.96
1.86
2.96
2.37
3.13
1.36
2.56
1.38
1.48
1.69
2.34
2.67
4.36
2.57
2.24
4.24
1.48
1.53
1.69
1.70
3.13
2.67
2.60
2.81
3.03
1.38
1.80
2.21
2.67
1.29
1.44
0.96
3.40
4.36
2.70
-1.74
2.12
1.76
1.67
1.91
2.84
-1.38

FIG. 5

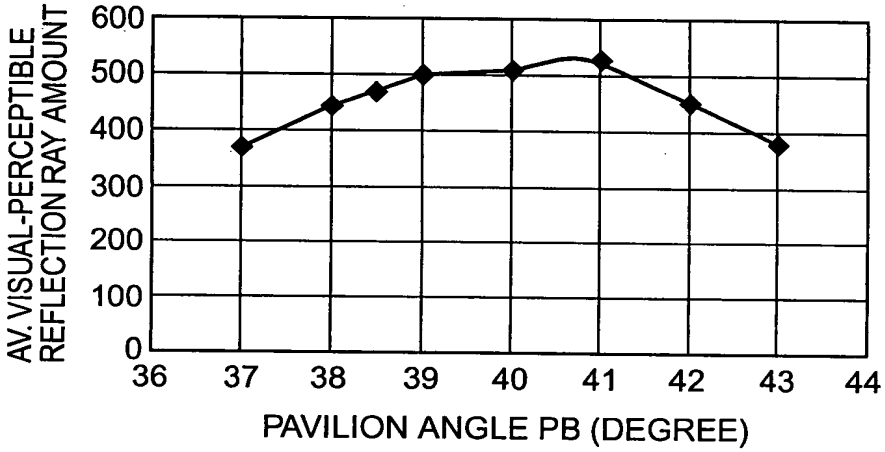

AV. VISUAL-PERCEPTIBLE REFLECTION RAY AMOUNT
600
500
400
300
200
100
0
36
37
38
39
40
41
42
43
44
PAVILION ANGLE PB (DEGREE)

FIG. 6

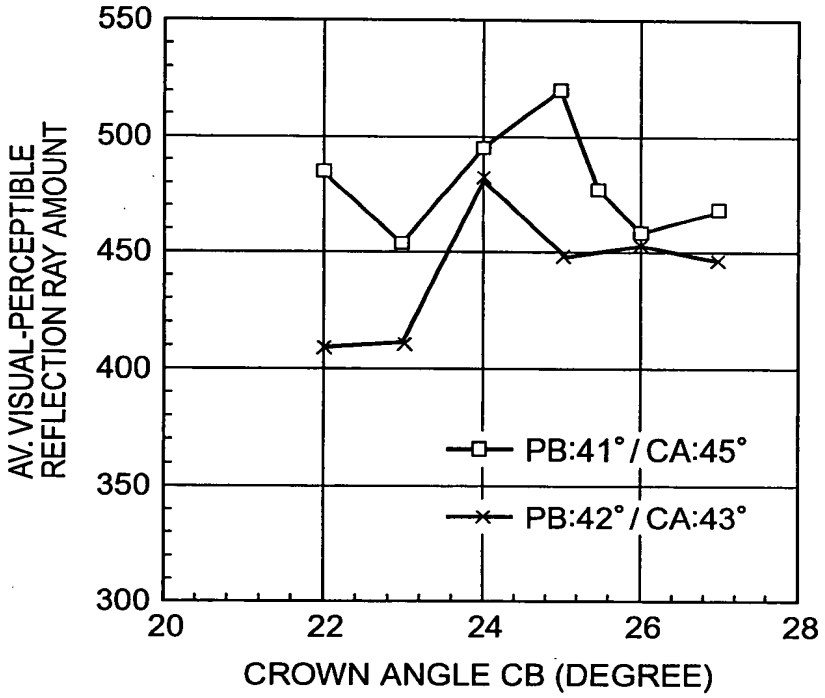

AV. VISUAL-PERCEPTIBLE REFLECTION RAY AMOUNT
550
500
450
400
350
300
20
22
24
26
28
CROWN ANGLE CB (DEGREE)
PB:41° / CA:45°
PB:42° / CA:43°

FIG. 7

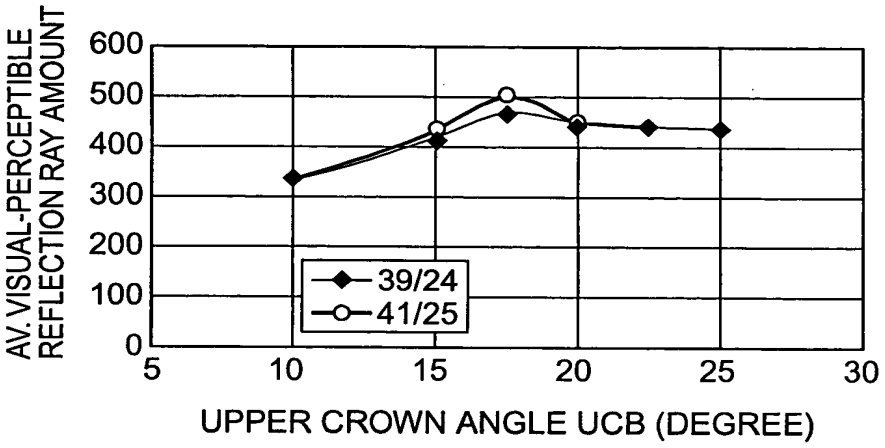

AV. VISUAL-PERCEPTIBLE REFLECTION RAY AMOUNT
600
500
400
300
200
100
0
5
10
15
20
25
30
39/24
41/25
UPPER CROWN ANGLE UCB (DEGREE)

FIG. 8

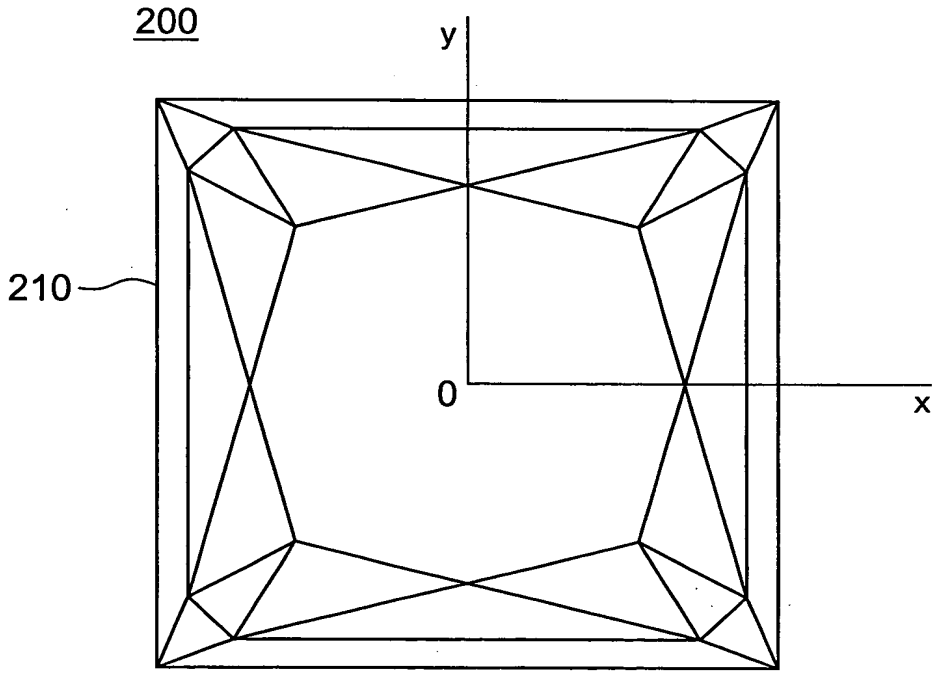

200
y
210
0
x

FIG. 9

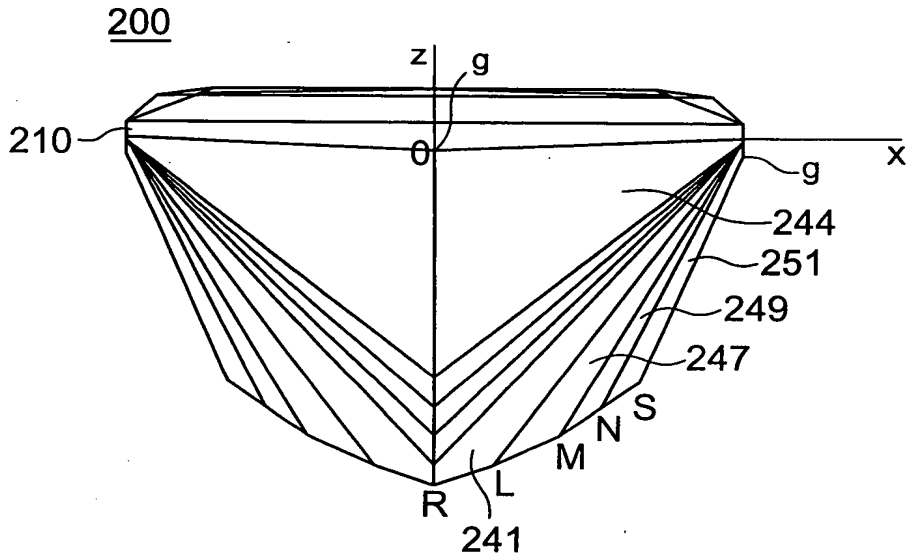

200
z
g
210
0
x
g
244
251
249
247
S
N
M
L
R
241

FIG. 10

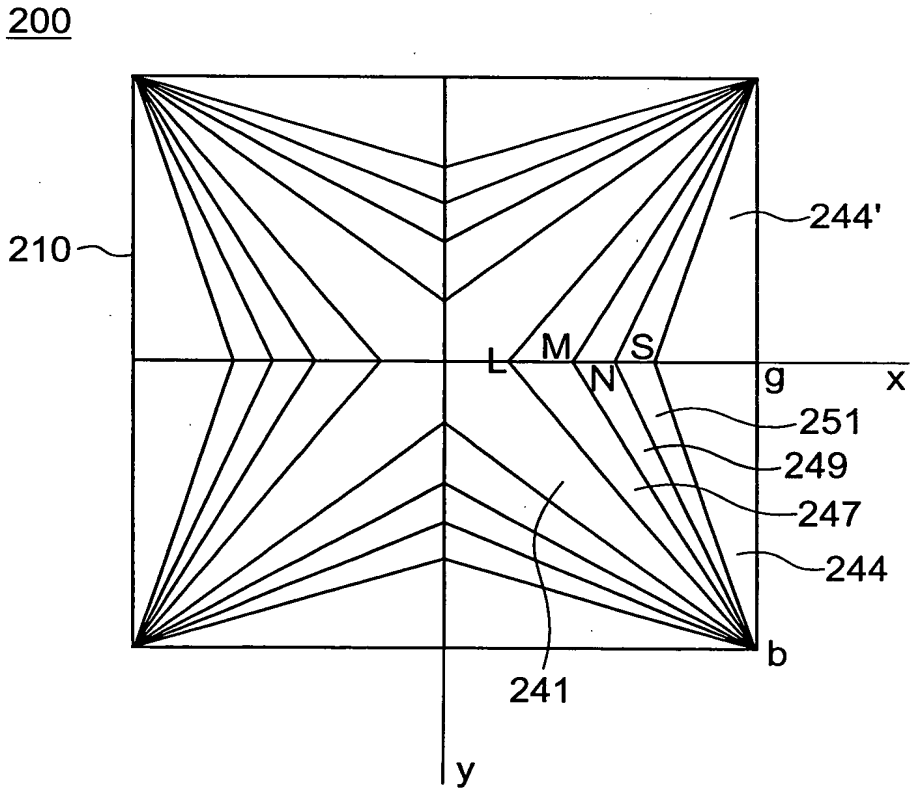

200
210
244'
L
M
S
N
g
x
251
249
247
244
b
241
y

FIG. 11

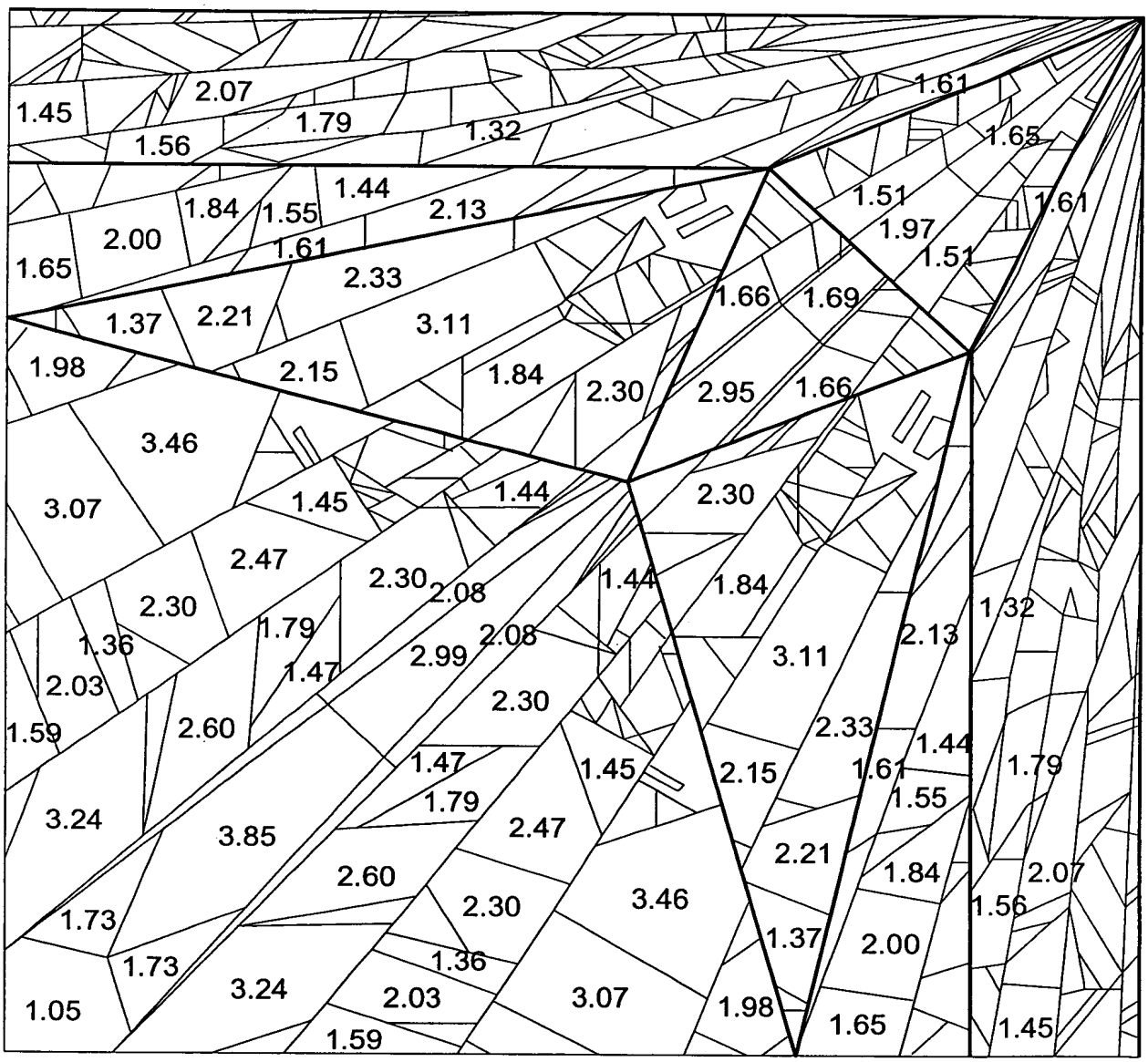

1.45
2.07
1.79
1.56
1.32
1.61
1.65
1.84
1.55
1.44
2.13
1.51
1.97
1.61
2.00
1.61
1.51
1.65
2.33
1.66
1.69
1.37
2.21
3.11
1.98
2.15
1.84
2.30
2.95
1.66
3.46
3.07
1.45
1.44
2.30
2.47
2.30
2.08
1.44
1.84
1.32
2.30
1.79
2.08
2.13
1.36
2.99
3.11
1.47
2.03
2.30
1.59
2.60
2.33
1.44
1.47
1.45
2.15
1.61
1.79
1.55
3.24
1.79
2.47
3.85
2.21
2.60
1.84
2.07
2.30
3.46
1.56
1.73
1.37
2.00
1.73
1.36
3.24
2.03
3.07
1.98
1.65
1.45
1.05
1.59

FIG. 12

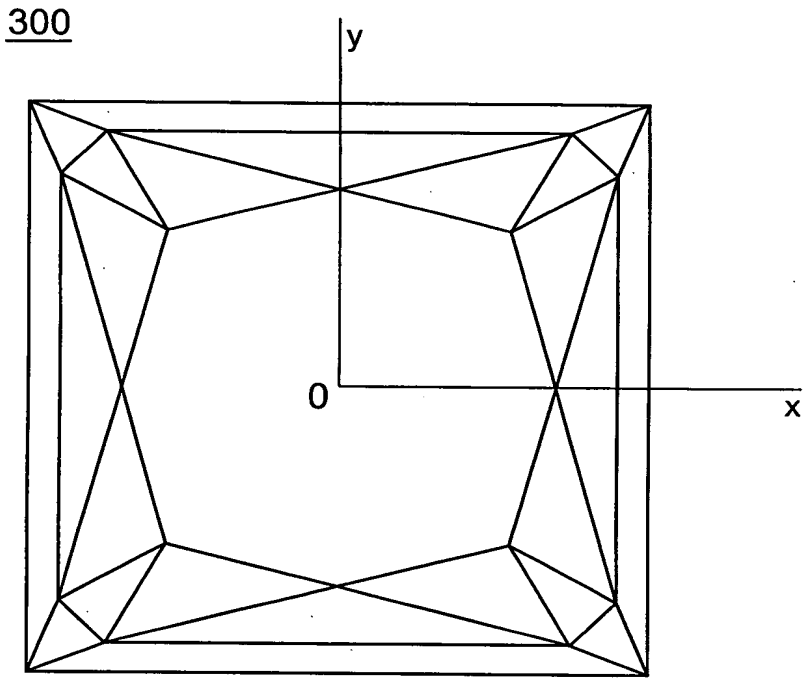


FIG. 13

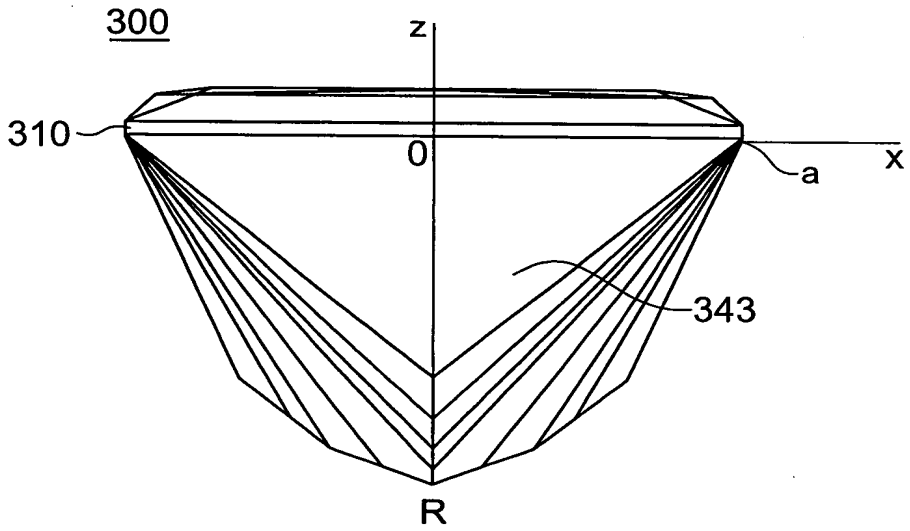


FIG. 14

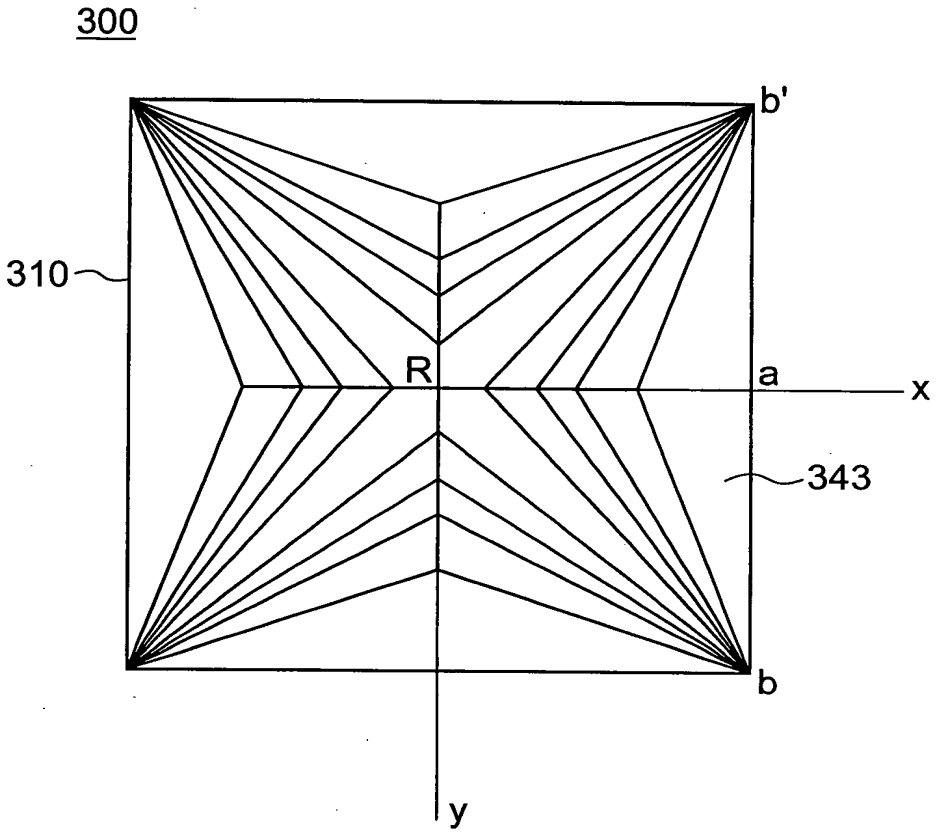


FIG. 15

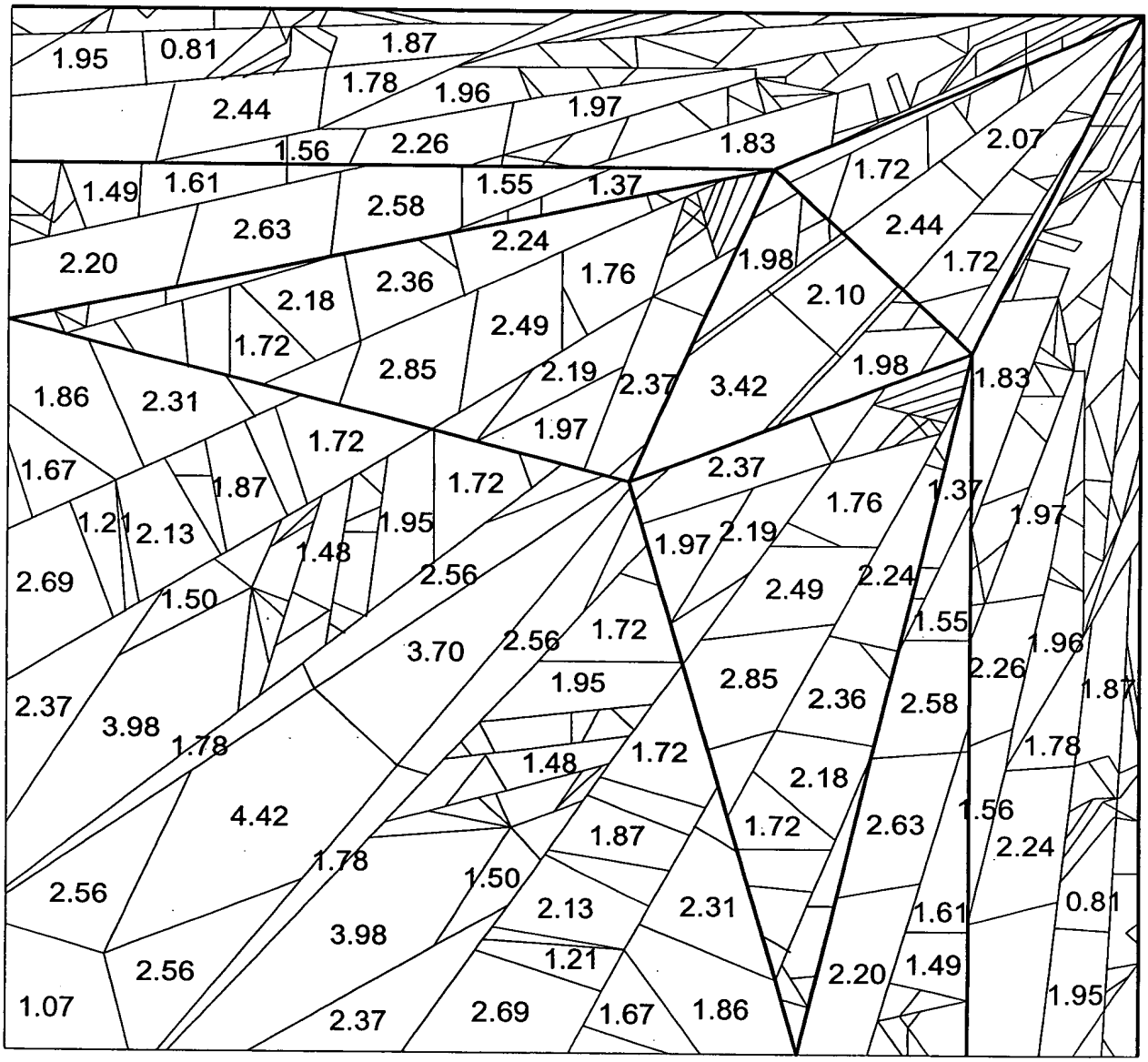

1.95
0.81
1.87
1.78
1.96
1.97
2.44
1.56
2.26
1.83
2.07
1.49
1.61
2.58
1.55
1.37
1.72
2.63
2.24
2.44
2.20
1.76
1.98
1.72
2.36
2.10
2.18
2.49
1.72
2.85
2.19
2.37
3.42
1.98
1.83
1.86
2.31
1.97
1.72
2.37
1.67
1.87
1.72
1.76
1.37
1.97
1.21
2.13
1.95
2.19
1.48
1.97
2.56
2.69
2.49
2.24
1.50
1.55
1.72
1.96
3.70
2.56
2.26
1.95
2.85
1.87
2.37
2.36
2.58
3.98
1.78
1.78
1.48
1.72
2.18
4.42
1.72
2.63
1.56
1.87
2.24
1.78
1.50
2.56
2.13
2.31
0.81
1.61
3.98
1.21
2.56
2.20
1.49
1.07
2.37
2.69
1.67
1.86
1.95

FIG. 16

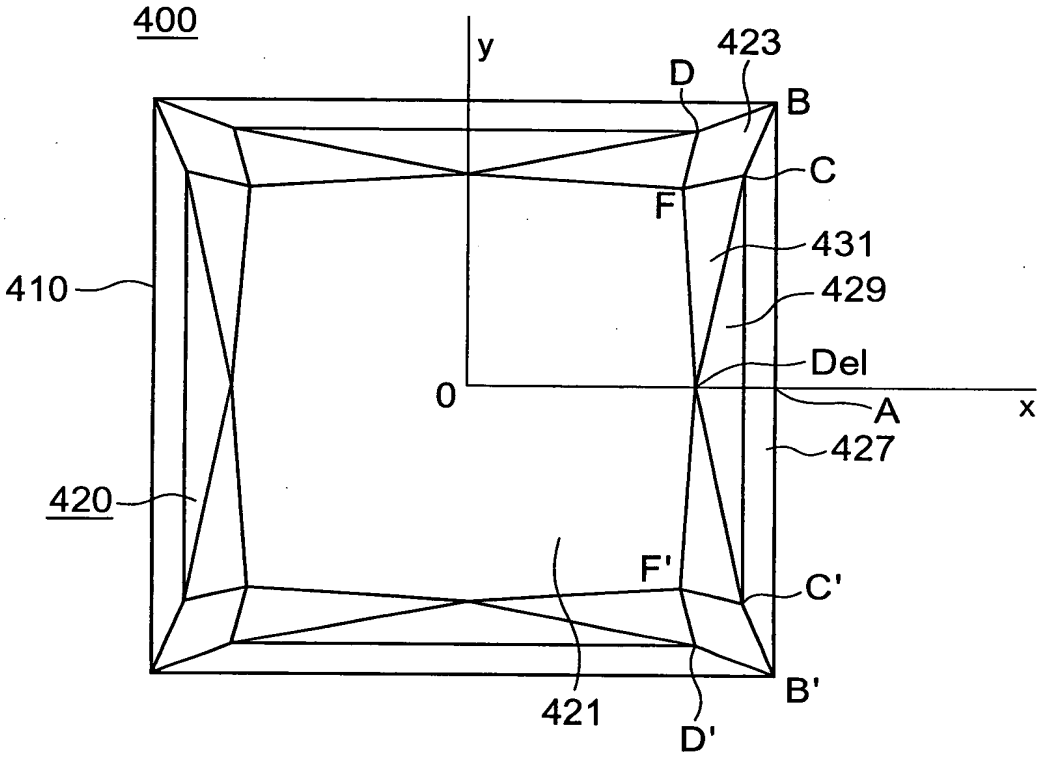

400
y
423
D
B
C
F
431
410
429
Del
0
A
x
427
420
F'
C'
B'
421
D'

FIG. 17

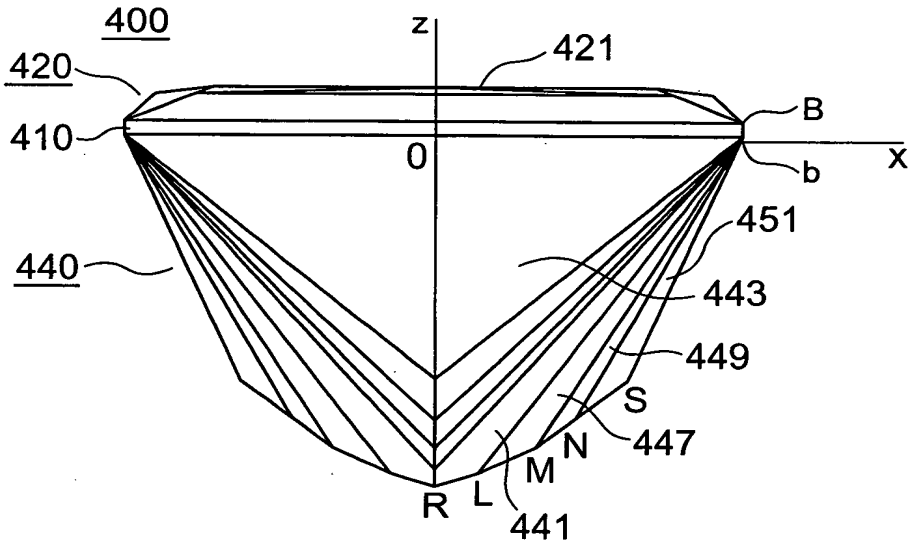

400
z
421
420
B
410
0
b
x
451
440
443
449
S
447
N
M
R
L
441

FIG. 18

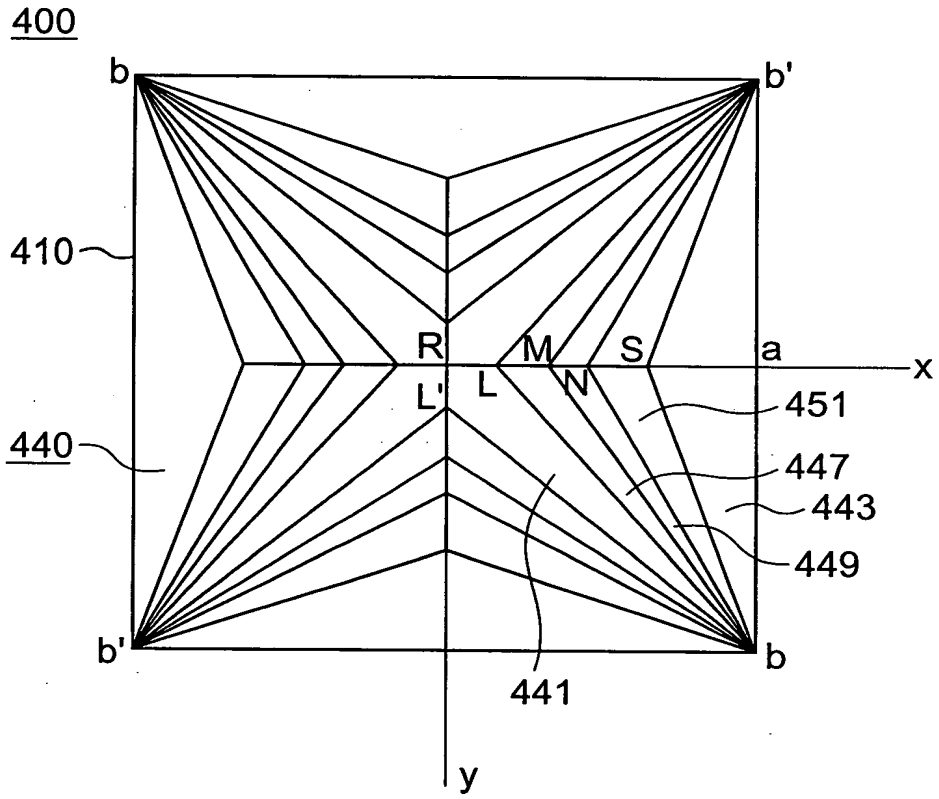
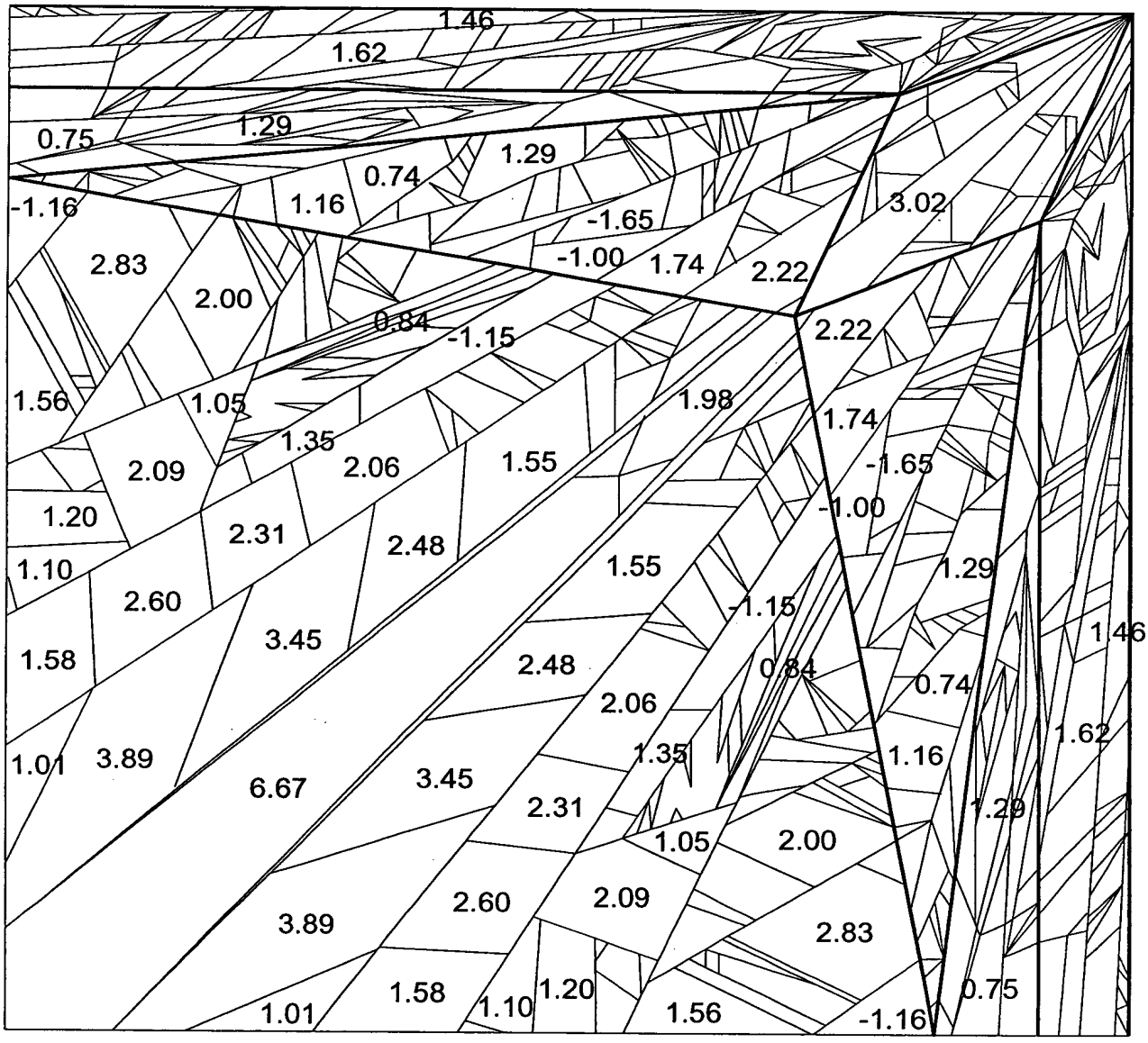


FIG. 19


1.46
1.62
0.75
1.29
1.29
0.74
-1.16
1.16
-1.65
3.02
-1.00
1.74
2.22
2.83
2.00
0.84
-1.15
2.22
1.56
1.05
1.98
1.74
1.35
2.09
2.06
1.55
-1.65
1.20
2.31
2.48
-1.00
1.10
1.55
1.29
2.60
-1.15
1.46
3.45
1.58
2.48
0.84
0.74
2.06
1.62
1.01
3.89
1.35
1.16
6.67
3.45
2.31
1.29
1.05
2.00
2.60
2.09
3.89
2.83
1.58
1.20
0.75
1.01
1.10
1.56
-1.16